Actual Water Requirement of the States

†3034. SHRI RAJIV RANJAN SINGH 'LALAN':
SHRI RAM JETHMALANI:

Will the Minister of WATER RESOURCES be pleased to state:

(a) the number of States identified by Government who suffer excess of water or lay behind for want of water;

(b) if so, the States suffering therefrom alongwith the reasons therefor;

(c) the details of their actual water requirements and whether any projects are under-way for the supply thereof; and

(d) if so, the details thereof?

THE MINISTER OF STATE IN THE MINISTRY OF WATER RESOURCES (Ms. BIJOYA CHAKRAVARTY): (a) and (b) Availability of water in the country varies both temporally as well as spatially. As a result, a number of areas receive excessive rainfall and get flooded while other areas face drought like situation due to scarcity of the rainfall. Rashtriya barh Ayog (1988) assessed that about 34 million hectares of area in the country is prone to floods. The state wise details are given in the Statement I (See below).

At the same time, as per the basinwise assessement made by Central Water Commission (1993), Sabarmati, Pennar, Cauvary, Tapi and Mahi basins, in additon to areas in Rajasthan, Kutch and Saurashtra region, have per capita water availability below 1000 cubic metre per year, which according to certain International organizations represents a scarcity condition. The names of basins covering different states and the per capita water availability therein is given in the Statement II (see below)

(c) and (d) Requirement of water is closely related to population, demand for food, production of industrial items, production of energy and preserving ecology. The availability of water for use for diverse purposes has increased over the Plan periods by creation of the live storage capacity of 177 (BCM) by construction of large dams upto 1995. An additional live storage capacity of 75 BCM will be created on completion of dams, which are under various statges of construction. Proposals to take up additional dams to create a live storage capacity of 132 BCM are also under formulation/

†Original notice of the question was received in Hindi.

consideration. The live storage capacity at present in each State is given in the Statement III (*see* below)

Besides, about 2,53,000 Tanks (minor dams) and ponds have also been created in country.

Statement I

Area Liable to Floods (As per Report of Rashtriya Barhayog)

(*Figures for Bihar, Madhya Pradesh and U.P. are for pre reorganized states)

Sl. No.	State/Ut	Geographical Area (m. ha.)	Area liable to flood (m. ha.)
1.	Andhra Pradesh	27.51	1.39
2.	Assam	7.84	3.15
3.	Bihar	17.39	4.26
4.	Gujarat	19.60	1.39
5.	Haryana	4.42	2.35
6.	Himachal Pradesh	5.57	0.23
7.	Jammu and Kashmir	22.22	0.08
8.	Karanataka	19.18	0.02
9.	Kerala	3.89	0.87
10.	Madhya Pradesh*	44.34	0.26
11.	Maharashtra	30.77	0.23
12.	Manipur	2.23	0.08
13.	Meghalaya	2.24	0.02
14.	Orissa	15.57	1.40
15.	Punjab	5.04	3.70
16.	Rajasthan	34.22	3.26
17.	Tamil Nadu	13.01	0.45
18.	Tripura	1.05	0.33
19.	Uttar Pradesh*	29.44	7.34
20.	West Bengal	8.88	2.65
21.	Delhi	0.15	0.05
22.	Pondicherry	0.03	0.01
	Total		**33.52**
	Say		**34 m.ha.**

Statement II

River Basinwise Water Availability and Per Capita Availability

River Basin	Name of States/UTs falling in the Basin	Average Annual Surface Water Availability (Billion Cubic Metre)	Per Capita Water availability in the year 2000 (Cubic Metre)
1	2	3	4
Area of Inland Drainage in Rajasthan Desert	Rajasthan	Negl.	
Sabarmati	Gujarat and Rajasthan	3.81	307
East Flowing Rivers between Pennar and Kanyakumari	AP, Tamil Nadu and Pondicherry	16.46	311
Pennar	AP, Karnataka	6.32	550
West Flowing Rivers of Kutchh, Saurashtra including Luni	Rajasthan and Gujarat	15.1	579
Cauvery	Tamil Nadu, Karnataka and Pondicherry	21.36	619
East Flowing Rivers between Mahanadi and Pennar	Orissa and AP	22.52	808
Tapi	MP, Gujarat and Maharashtra	14.88	853
Mahi	Rajasthan, Gujarat and MP	11.02	888
Krishna	Maharashtra, AP and Karnataka	78.12	1088
Subarnarekha	Jharkhand, West Bengal and Orissa	12.37	1118
Ganga-Brahmputra-Barak Basin a. Ganga sub-basin	UP, Uttaranchal, HP, Haryana, Rajasthan, Delhi, MP, Chattishgarh, Bihar, Jharkhand & West Bengal	525.02	1239
Indus	J&K, Punjab, Haryana, HP, Rajasthan and Chandigarh	73.31	1482

1	2	3	4
Godavari	Maharashtra, AP, MP, Chattishgarh, Orissa and Karnataka	110.54	1734
Mahanadi	MP, Chattishgarh, Orissa, Maharashtra and Bihar	66.88	2131
Brahmani & Baitarni	Chattishgarh, Orissa and Jharkhand	28.48	2463
Narmada	MP, Chattishgarh, Gujarat and Maharashtra	45.64	2628
West Flowing Rivers from Tapi to Tadri	Gujarat, Maharashtra, Goa Karnataka and Kerala	87.41	2870
West Flowing Rivers from Tadri to Kanyakumari	Tamil Nadu, Daman and Diu, and Dadra and Nagar Haveli	113.53	2950
Minor River Basins Draining into Bangladesh and Myanmar	Arunachal Pradesh, Assam, Meghalaya, Nagaland, Sikkim, manipur, Mizoram and Tripura	31.00	12500
Ganga-Brahmputra-Barak Basin	AP, Assam, Meghalaya, Nagaland, Sikkim, Manipur, Mizoram and Tripura A.P., Assam, Meghalaya, Nagaland, Sikkim, Manipur, Mizoram, Tripura and West Bengal	585.6	14057
Total (National)		1869.35	1869

Statement III

Statewise Storages

Unit: B.C.M.

Sr. No.	State	Live Storage Capacities			
		Completed Projects	Projects under Construction	Total	Projects under Consideration
1	2	3	4	5	6
1.	Andhra Pradesh	24.85	7.12	31.97	1.73
2.	Arunachal Pradesh	NIL	—	—	45.50
3.	Assam	NIL	1.05	1.05	1.02
4.	Bihar	4.66	4.35	9.01	3.58
5.	Goa	0.04	0.67	0.72	—

1	2	3	4	5	6
6.	Gujarat	14.92	7.25	22.17	3.73
7.	Haryana	—	—	—	0.26
8.	Himachal Pradesh	13.81	0.11	13.91	0.36
9.	Jammu and Kashmir	—	—	—	0.01
10.	Karnataka	21.56	3.01	24.57	0.10
11.	Kerala	4.62	1.62	6.23	1.95
12.	Madhya Pradesh	18.58	21.63	40.21	8.09
13.	Maharashtra	22.10	12.92	35.01	5.17
14.	Manipur	0.40	0.12	0.52	16.32
15.	Meghalaya	0.70	—	0.70	0.51
16.	Mizoram	—	—	—	—
17.	Nagaland	—	1.22	1.22	—
18.	Orissa	14.29	3.30	17.59	21.86
19.	Punjab	0.02	2.34	2.37	—
20.	Rajasthan	8.32	1.59	9.91	1.80
21.	Sikkim	—	—	—	—
22.	Tamil Nadu	6.72	0.04	6.76	—
23.	Tripura	0.31	—	0.31	—
24.	Uttar Pradesh	16.35	7.06	23.40	20.16
25.	West Bengal	1.48	—	1.48	0.17
26.	A and N Islands	—	—	—	—
27.	Chandigarh	—	—	—	—
28.	D and N Haveli	—	—	—	—
29.	Daman and Diu	—	—	—	—
30.	Delhi	—	—	—	—
31.	Lakshadweep	—	—	—	—
32.	Pondicherry	0.01	—	0.14	0.014
	TOTAL	173.73	75.42	249.15	132.3

Note: 1. Project having a live storage capacity of 10 M. Cum. and above only are included. An additional live storage capacity of 3 B.C.M. (approx.) has been created through medium projects each having a capacity of less than 10 M. Cum. thus making a total live storage capacity of 177 B.C.M. in completed projects.
2. Totals may not tally due to round off.

Review of Ganga Water Agreement with Bangladesh

3035. SHRI PRANAB MUKHERJEE: Will the Minister of WATER RESOURCES be pleased to state:

(a) whether Government's attention has been drawn to a reported statement of Union Minister of State for Communications published in a Bengali Daily from Kolkata "Sambad pratidin" on 28th October,